

1. Use of a *Notch*-ligand in the manufacture of a medicament for use in immunotherapy.
2. Use according to claim 1, wherein the immunotherapy involves the treatment of a T-cell mediated disease or infection.
3. Use according to claim 2, wherein the T cell mediated disease or infection is due to of any one or more of allergy, autoimmunity, graft rejection, tumour induced aberrations to the T cell system and infectious diseases such as those caused by Plasmodium species, Microfilariae, Helminths, Mycobacteria, HIV, Cytomegalovirus, Pseudomonas, Toxoplasma, Echinococcus, Haemophilus influenza type B, measles, Hepatitis C or Toxicara.
4. Use according to ^{Claim 1} ~~any of claims 1 to 3~~, wherein the *Notch*-ligand is selected from Serrate, Delta or fragments, derivatives or analogs thereof.
5. A *Notch*-ligand, or fragments, derivatives or analogs thereof, for use in affecting linked suppression.
6. A *Notch*-ligand, or fragments, derivatives or analogs thereof, for use in affecting infectious tolerance.
7. A method of tolerising T cells to an allergen or antigen comprising incubating/exposing said T cells to antigen presenting cells expressing or overexpressing a *Notch*-ligand; in the presence of said allergen or antigen.

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8. A method according to claim 7, wherein the (over)expression of the *Notch*-ligand is due to the APC being transfected with a virus capable of expressing said ligand.
- 5 9. A method according to claim 7, wherein the (over)expression of the *Notch*-ligand is due to the APC being stimulated by an agent that up-regulates expression of a *Notch*-ligand expressing gene.
- 10 10. A method according to claim 9, wherein the agent is selected from Noggin, Chordin, Follistatin, Xnr3, fibroblast growth factors or derivatives or fragments thereof.
- a 11. A method according to ^{claim 7} ~~claim 7, 8, 9 or 10~~ wherein the APC is selected from dendritic cells, L cells, hybridomas, lymphomas, macrophages, B cells or
15 synthetic APCs such as lipid membranes.
- a 12. A method according to ^{claim 7} ~~any of claims 7 to 11~~, wherein the *Notch*-ligand is selected from Serrate, Delta or fragments, derivatives or analogs thereof.
- 20 13. A molecule comprising a *Notch*-ligand moiety operably linked to a T cell allergen or antigen moiety such that upon exposure to T cells both moieties are capable of binding to their respective sites.
- a 14. A molecule according to claim 12 ~~or 13~~, wherein the *Notch*-ligand moiety
25 is selected from *Serrate*, *Delta* or fragments, derivatives or analogs thereof.

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15. A fusion protein comprising a segment of a *Notch* ligand extracellular domain and an immunoglobulin F_c segment.
16. A fusion protein according to claim 15—wherein the *Notch* ligand extracellular domain is derived from *Notch*, *Delta* or *Serrate*.
17. A fusion protein according to claim 15 or 16 wherein the F_c segment is IgGF_c or IgMF_c.
18. A kit comprising immobilised *Notch* or family members to allow measurement of soluble *Notch* ligands originating from pathogens, transplanted grafts or cells of the host.
19. An assay method comprising contacting (a) a *Notch* protein and a ligand capable of binding to the *Notch* protein with (b) a compound; and determining if the compound affects binding of the ligand to the *Notch* protein.
20. A ligand capable of binding to *Delta* or *Serrate* proteins or their derivatives expressed on or secreted by pathogenic organisms, tumours or transplanted grafts, for use in medical therapy.
21. An assay method comprising determining the *in vivo* level of soluble free *Serrate*, *Notch* or *Delta* family members or forms thereof.
22. An assay for detecting the affect of a compound on the expression or processing of functional *Notch*-protein or *Notch* ligand comprising contacting

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cells expressing *Notch*-protein or *Notch* ligand with a compound; and monitoring an increase or decrease in expression or processing of said protein or ligand.

23. Compounds, *Notch*-legands, derivatives, fragments or analogs thereof, detectable by the assay of claim 22.

24. Use of an agent capable of downregulating the expression of *Delta* or *Serrate* proteins or reducing its presentation as a cell membrane protein in the manufacture of a medicament for use in reversing bacteria, infection or tumour-induced immunosuppression.

25. Use according to claim 24, wherein the agent is a Toll protein or bone morphogenetic protein.

26. Use of a *Notch*-ligand in the modulation of the expression of a functional *Notch*-protein or *Notch* signalling pathways.

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